Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/10/2019 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125636	0	2.18	125720	2.17
Blue	F	SSC	125000	122858	-2	3.70	123645	3.68
Blue	E	FITC	16694	16619	-1	3.80	386	22.32
Blue	D	PE	32792	32232	-2	3.04	710	16.51
Blue	B	PerCP-Cy5-5	44451	44181	-1	4.64	1206	23.12
Blue	A	PE-Cy7	33645	33847	0	7.22	606	48.93
Red	C	APC	47008	46380	-2	2.96	1791	13.40
Red	A	APC-Cy7	32298	31935	-2	2.88	804	13.68
Violet	B	V450	8961	8610	-4	4.70	477	14.64
Violet	A	V500	32726	31589	-4	4.52	760	11.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20568	3.52	611	-2	N/A	N/A	Pass
Blue	F	SSC	55639	3.10	579	11	N/A	N/A	Pass
Blue	E	FITC	65	70.76	567	4	0.0146	110	Pass
Blue	D	PE	141	57.74	570	4	0.1279	286	Pass
Blue	B	PerCP-Cy5-5	222	56.72	675	4	0.0073	63	Pass
Blue	A	PE-Cy7	120	120.80	731	5	0.0087	26	Pass
Red	C	APC	411	28.51	611	-2	0.0191	122	Pass
Red	A	APC-Cy7	198	30.93	583	-2	0.0049	1077	Pass
Violet	B	V450	71	73.09	487	1	0.0509	3091	Pass
Violet	A	V500	108	41.18	497	1	0.0184	1171	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.55	-32.09	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.31	13.60 - 20.40	N/A	N/A	29.27	29.73	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10940

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments